Schedule-B

Tender Number:**BBMP/2020-21/OW/WORK_INDENT45588**

Name of Work : **Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartment to Abbigere Park.**

Sl No	Item Name	KUDULUR PRASAD DINESHKUMAR (SRI CHOWDESHWARI CONCRETE INDIA PRIVATE LIMITED)			
		Unit	Quantity	Quoted Rate	
				(in Figures)	(in words)
1	KSRRB M200-32. Removal of Telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and stacking the serviceable and unserviceable material separately complete as per specifications. MORTH Specification No. 202	Nos	82	234.78	Rupees Two Hundred Thirty Four And Paise Seventy Eight Only
2	"KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications.MORTH Specification No.	M	150	71.41	Rupees Seventy One And Paise Forty One Only
3	KSRRB M20Q-17.1.Dismantling of existing Steel work in all types of Sections upto a Height of 5 m above plinth level excluding Cutting of Rivet, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts - A.Including dismenteling." complete as per specifications.	Tonne	2	2048.12	Rupees Two Thousand Forty Eight And Paise Twelve Only
4	KSRRB M200-6.1 Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps, roots stacking of serviceable materials with all lifts and up to a lead of 1000m and earth filling in the depressions / pit, complete as per specifications. MORTH Specification No. 201	Nos	10	323.5	Rupees Three Hundred Twenty Three And Paise Fifty Only
5	- do- KSRRB M200-2 : - do - 600mm to 900mm	Nos	15	997.55	Rupees Nine Hundred Ninety Seven And Paise Fifty Five Only
6	KSRRB M200-3: - do - 900mm to 1800mm	Nos	6	2426.8	Rupees Two Thousand Four Hundred Twenty Six And Paise Eighty Only
7	KSRRB M200-4: - do - 1800mm to 2700mm	Nos	15	3774.9	Rupees Three Thousand Seven Hundred Seventy Four And Paise Ninety Only
8	KSRRB M200-14.1. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, B. In cement mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar including loading and unloading and disposal to a lead of 20km as per direction of Engineer In Charge	Cum	1680.73	512.84	Rupees Five Hundred Twelve And Paise Eighty Four Only
9	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications,	Cum	66.02	379.76	Rupees Three Hundred Seventy Nine And Paise Seventy Six Only
10	Disposable of dismantaled unservicable Rubble stone masonry and scarifyed bituminous course including with all loading and unloading and disposed to a lead up to 20km as per the direction of Engineer incharge	Cum	268.01	132.98	Rupees One Hundred Thir Two And Paise Ninety Eig Only

Contractor

Executive Engine
RI- Dasarahalli Divisi

Scanned with CamScanner

Sl No	Item Name	KUDULUR PRASAD DINESHKUMAR (SRI CHOWDESHWARI CONCRETE INDIA PRIVATE LIMITED)			
		Unit	Quantity	Quoted Rate (in Figures)	Quoted Rate (in words)
11	KSRRB M200-13.1. Dismantling of existing Structures like Culverts, Bridges, Retaining Walls and other Structures comprising of Masonry, Cement Concrete, Wood Work, Steel Work, including T & P and Scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceble Material, disposal of unserviceble Material and stacking the serviceble Material and serviceble Material with all lifts complete as per Specifications. II By Mechanical means A. Cement Concrete Grade M-15&M-20 including loading and unloading and disposal to a lead of 20km As per the direction of the Engineer Incharge	Cum	211.02	555.04	Rupees Five Hundred Fifty Five And Paise Four Only
12	KSRRB M200-13.1. Dismantling of existing Structures like Culverts, Bridges, Retaining Walls and other Structures comprising of Masonry, Cement Concrete, Wood Work, Steel Work, including T & P and Scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceble Material, disposal of unserviceble Material and stacking the serviceble Material and serviceble Material with all lifts complete as per Specifications. By Machanical Means, C. Prestressed/Reinforced cement Grade M-20 above including loading and unloading and disposal to a lead of 20km As per the direction of the Engineer Incharge	Cum	1955.51	956.44	Rupees Nine Hundred Fifty Six And Paise Forty Four Only
13	KSRRB M200-26. Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications.MORTH Specification No. 202	m	1000	12.98	Rupees Twelve And Paise Ninety Eight Only
14	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications and direction of Engineer Incharge.	Rmt	673.06	146.06	Rupees One Hundred Forty Six And Paise Six Only
15	Easing of shutters of door, for removng from acquired buildings (detailed measurement sheets enclosed separately)	Nos	34	94.13	Rupees Ninety Four And Paise Thirteen Only
16	Dismantling A.C.Sheet roofing and stacking the material within a radius of 50m including cost of materials , labour, HOM complete as per specifications and direction of the Engineer Incharge.	Sqm	288.67	107.11	Rupees One Hundred Seven And Paise Eleven Only
17	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, rass, brush, shrubs, saplings and trees of girth upto 300mm,by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 in Throny Jungle	Sqm	8750	10.82	Rupees Ten And Paise Eighty Two Only
18	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH I Chapter 3	Sqm	5385	42.2	Rupees Forty Two And Paise Twenty Only
19	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 21.00 km and complete as per specifications. MORTH Specification No.301	Cum	20115	44.36	Rupees Forty Four And Paise Thirty Six Only

Contractor

Executive Engineer
RI- Dasarahalli Division

Scanned with CamScanner

Scanned with CamScanner

		Unit	Quantity	(in Figures)	(in words)
	...xcavation for foundation of structures like culverts , ...ining walls etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specifications, including cost of labour, HOM etc, complete. in all kinds of soil by Mechanical means	Cum	464.32	48.69	Rupees Forty Eight And Paise Sixty Nine Only
21	Disposable of excavated un servicable road way earth with all lead of 19 km as per the direction of Engineer in charge	Cum	20115.4	52.63	Rupees Fifty Two And Paise Sixty Three Only
22	KSRRB M300-54.Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete asper specifications. Which includes, watering charges & compaction by vibratory roller)	Cum	2441	102.78	Rupees One Hundred Two And Paise Seventy Eight Only
23	material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305	Cum	3483.8	351.63	Rupees Three Hundred Fifty One And Paise Sixty Three Only
24	KSRRB M400-18. Construction of Median and island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other structures, spread, graded and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407	Cum	306	189.34	Rupees One Hundred Eighty Nine And Paise Thirty Four Only
25	Providing and laying in possition plain cement concrete of mix 1:2:4 for sub-structure works like Culverts,retaining walls etc.,with cement@ 240 kgs, 40 mm & down size graded granite metal coarse aggreate @ 0.84 cum and fin aggregates @ 0.46cum machine mixed. with necessary scoffolding form work etc., including cost of labour, HOM curing etc., complete	Cum	490	5494.57	Rupees Five Thousand Four Hundred Ninety Four And Paise Fifty Seven Only
26	Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3Its confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffolding,form work etc., including cost of labour, HOM curing etc., complete.	Cum	386	6312.21	Rupees Six Thousand Three Hundred Twelve And Paise Twenty One Only
27	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height	Cum	1348.59	5824.97	Rupees Five Thousand Eight Hundred Twenty Four And Paise Ninety Seven Only
28	KSRRB M2200-6. Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking placing in position lapping and /or welding wherever required , tying with binding wire and anchoring to the adjoining members wherever necessary complete as design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.MORTH Specification No. 1600 & 2200. TMT Bars Fe 500	Tonne	84	67646.08	Rupees Sixty Seven Thousand Six Hundred Forty Six And Paise Eight Only

...ish.

...ractor

Executive Engine
RI- Dasarahalli Divisi

Scanned with CamScanner

No	Item Name	KUDULUR PRASAD DINESHKUMAR (SRI CHOWDESH... CONCRETE INDIA PRIVATE LIMITED)			
		Unit	Quantity	Quoted Rate (in Figures)	Quoted Rate (in words)
29	KSRRB M2200-8. Providing weep holes in Brick masonry wrapping / Plain /Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe wrapping with Geotextile to prevent the earth, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per Specifications. MORTH Specification No.2706 & 2200	Nos/Mtr	70	169.43	Rupees One Hundred Sixty Nine And Paise Forty Three Only
30	KSRB M2600-3, (ii) providing and fixing 250mm wide,20mm thick compressable fibre board in expansion joint complete as per drawing and Technical Specification including cost of materials and labour,HOM complete as per specifications, MORTH Specification No 2605	Sqm	73	128.75	Rupees One Hundred Twenty Eight And Paise Seventy Five Only
31	KSRRB M2200-9. Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment,wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 2504.2.2	Cum	54	2305.03	Rupees Two Thousand Three Hundred Five And Paise Three Only
32	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications.Specifications. No. KSRB 1000,2300 MOST Specification No. 1000 / 2300 for 900mm dia	m	30	5952.84	Rupees Five Thousand Nine Hundred Fifty Two And Paise Eighty Four Only
33	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500,1700.	m	2815.2	1169.58	Rupees One Thousand One Hundred Sixty Nine And Paise Fifty Eight Only
34	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) in all respects as directed by the Engineer In charge	Sqm	120	113.6	Rupees One Hundred Thirteen And Paise Sixty Only
35	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.	Cum	2926.4	2036.21	Rupees Two Thousand Thirty Six And Paise Twenty One Only
36	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	4603.15	2042.71	Rupees Two Thousand Fo... Two And Paise Seventy ... Only

Contractor

Executive Engi...
RI- Dasarahalli Divi...

Scanned with CamScanner

	with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.	Cum	41.09	4972.6	Rupees Four Thousand Nine Hundred Seventy Two And Paise Sixty Only
38	Providing and constructing with avilable granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.	Cum	26.41	3519.98	Rupees Three Thousand Five Hundred Nineteen And Paise Ninety Eight Only
39	Providing flush pointing to square rubble , course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour,HOM curing complete as per specifications in cement mortar 1:3	Sqm	225	151.47	Rupees One Hundred Fifty One And Paise Forty Seven Only
40	concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 with solid concrete blocks of size 400x150x200mm	Cum	340.5	1017.96	Rupees One Thousand Seventeen And Paise Ninet Six Only
41	KSRB - 15-3.9: Providing 20mm thick cement plaster in single coat with cement mortor ,1:4 to stone masonry& convrete surface including rounding off corners wherver required smooth rendering.: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. in cement mortar 1:3	Sqm	2032.5	293.21	Rupees Two Hundred Ninety Three And Paise Twenty One Only
42	KSRB 2.3: Filling available Excavated Earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by raming after watering with lead upto 50m and lift upto 1.50m including cost of all labour complete as per specifcations.Specification No.KBS 2.9	Cum	2007.5	221.57	Rupees Two Hundred Twenty One And Paise Seven Only
43	KSRRB M800-29.1. Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings complete as per specifications. Case - 1: Single row for one utility service	m	344	1868.51	Rupees One Thousand Hundred Sixty Eight Paise Fifty One O
44	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	8445	6.49	Rupees Six And Pai Nine Only
45	KSRRB M400-21. Construction of footpath/separator by providing a 150 mm compacted granular sub-base as per Clause 401 & 25mm thick cement concrete grade M-15, overlaid with precast concrete tiles in cement mortar 1:3 including provision of all drainage arrangementsbut excluding kerb channel complete as per specifications.MORTH Specification No. 409	Sqm	4980	745.46	Rupees Seven H Forty Five And Pa Six Only

Executive

Scanned with CamScanner

		Unit	Quantity	Quoted Rate	
				(in Figures)	(in words)
46	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., completeas per the directions of engineer in-charge	Nos	19567	441.43	Rupees Four Hundred Forty One And Paise Forty Three Only
47	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens arid welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(Surface grating)	Qtl	49	7775.92	Rupees Seven Thousand Seven Hundred Seventy Five And Paise Ninety Two Only
48	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	2772.62	86.56	Rupees Eighty Six And Paise Fifty Six Only
49	Supplying heavy gauge PVC Conduit Pipe 32mm dia 2.5mmthick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. Specification No.KBS 13.2.15.4 /13.9 KSRB13-10.4 : -do- 32 mm dia	m	126	82.68	Rupees Eighty Two And Paise Sixty Eight Only
50	1:1.5:3 proportion with ordinary port land cement, 20 mm and down size graded jelly, well graded sand, steel of approved quality and size, constructed using form vibrators of standard type. The top cover to be 200 mm thick concrete slab, wall thickness, raft thickness, offset in raft alround the chamber etc. as per the approved drawing. Benching concrete with 1:6 slope towards the central drain, finished smooth,fixing and grouting pipes. Supply and fixing SFRC manhole cover and frame (heavy duty) conforming to IS:12592 with latest amendments,on CC 1:2:4 bed, including necessary conveyance. Supply and fixingfootsteps (as per IS 10910) with 12 mm dia. steel bar (Fe-415),encapsuled in 3 mm thick plastic, fixed with CC block to the walls staggered at 300 mm etc. as detailed in Technical Specifications. Thewhole works includes sand bedding wherever necessary, disposal ofsurplus earth, barricading, danger lighting, sight rails, boning rods,shoring, strutting, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc. The cost toinclude the cost of reinforcement steel, its fabrication charges, costand conveyances of all materials, labour, all leads and	Nos	5	31600.87	Rupees Thirty One Thousand Six Hundred And Paise Eighty Seven Only
51	- do- Constructing Pre-cast RCC Manholes 1.2 m internal dia., 1.3 M depth & SFRC cover & frame	Nos	8	31600.87	Rupees Thirty One Thousand Six Hundred And Paise Eighty Seven Only
52	Constructing Pre-cast RCC Manholes 1.2 m internal dia., 1.6 M depth & SFRC cover & frame	Nos	7	42161.03	Rupees Forty Two Thousand One Hundred Sixty One And Paise Three Only
53	Constructing Pre-cast RCC Manholes 1.2 m internal dia., 1.9M depth & SFRC cover & frame	Nos	7	47027.73	Rupees Forty Seven Thousand Twenty Seven And Paise Seventy Three Only
54	Constructing Pre-cast RCC Manholes 1.2 m internal dia., 2.0M depth & SFRC cover & frame	Nos	9	48353.62	Rupees Forty Eight Thousand Three Hundred Fifty Three And Paise Sixty Two Only

Executive Engineer
RI- Dasarahalli Division

Scanned with CamScanner

Sl No	Item Name	KUDULLR PRASAD DINESHKUMAR (SRI CHOWDESHWARI CONCRETE INDIA PRIVATE LIMITED)			
		Unit	Quantity	Quoted Rate (in Figures)	Quoted Rate (in words)
55	Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS:458-1988 with latest amendments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials including cost of specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc. complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution of the work, the contractor shall carry out the survey and will be paid extra for the same as per seperate item.:RCC NP3 Class pipe of 300 mm dia.	Rmt	1260	1693.34	Rupees One Thousand Six Hundred Ninety Three And Paise Thirty Four Only
56	corrugated & smooth internal wall) (DWC) of class SN 8, piping system in accordance with IS 16098 (Part-2) and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing with all labour, lead & lifts, including encasing the pipes alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (contractor will make his own arrangements for procuring water for testing) etc. for:Pipes of SN 8, 150 mm dia for OFC lane	Rmt	2980	292.94	Rupees Two Hundred Ninety Two And Paise Ninety Four Only
57	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision	Sqm	17289.5	30.29	Rupees Thirty And Paise Twenty Nine Only
58	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VGlO) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface (primed surface) cleaned with mechanical broom, complete as per specifications.Clause 503 of MORTH V revision	Sqm	20494.5	21.64	Rupees Twenty One And Paise Sixty Four Only
59	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision using 40/60 TPH capacity H.M.P. with - Mechanical paver Gr-ll (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	1024.73	6589.03	Rupees Six Thousand Five Hundred Eighty Nine And Paise Three Only
60	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.Clause 503 of MORTH V revision	Sqm	20494.5	12.98	Rupees Twelve And Paise Ninety Eight Only

Contractor

Executive Engine
RI- Dasarahalli Divis

Scanned with CamScanner

	rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	614.835	7557.36	Rupees Seven Thousand Five Hundred Fifty Seven And Paise Thirty Six Only
62	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: roviding and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	1505.6	464.15	Rupees Four Hundred Sixty Four And Paise Fifteen Only
63	KSRRB M800-35. Road markers/Studs Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 - DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	1718	364.61	Rupees Three Hundred Sixty Four And Paise Sixty One Only
64	Retro-Reflectorised Traffic Signs: Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed oundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. 600mm Equilateral triangle- TYPE XI	Nos	11	2697.38	Rupees Two Thousand Six Hundred Ninety Seven And Paise Thirty Eight Only
65	- do- 600MM Circular-TYPE XI	Nos	5	3377.82	Rupees Three Thousand Three Hundred Seventy Seven And Paise Eighty Two Only
66	900mm Equilateral Triangle-TYPE XI	Nos	8	3737.03	Rupees Three Thousand Seven Hundred Thirty Se And Paise Three Only
67	- do- 900 mm Octagon Stop Board- TYPE XI	Nos	7	5460.56	Rupees Five Thousand F Hundred Sixty And Pa Fifty Six Only

actor

Executive Eng
RI- Dasarahalli Div

Scanned with CamScanner

	Clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing	Sqm	2.43	5423.37	Rupees Seven Thousand Four Hundred Twenty Five And Paise Thirty Seven Only
69	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtr	280	77.57	Rupees Seventy Seven And Paise Fifty Seven Only
70	Supplying of 1.1 KV 1.1 UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness as average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 3.5core 25sqmm	Mtr	3120	183.73	Rupees One Hundred Eighty Three And Paise Seventy Three Only
71	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 25sqmm to 75sqmm	Mtr	3120	122.48	Rupees One Hundred Twenty Two And Paise Forty Eight Only
72	Supplying and making straight through cable joint with epoxy resin including ferrules and other jointing materials for PVC insulated and PVC sheathed steel tape, wire armoured aluminium conductor 4 core cable of 1.1 KV grade of the fidlowing sizes. 3.5x35sqmm	per kit	132	1582.09	Rupees One Thousand Five Hundred Eighty Two And Paise Nine Only
73	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments. (From pole box to light fixture) 6 sqmm	Mtr	2387	71.45	Rupees Seventy One And Paise Forty Five Only
74	Earth work in excavation for foundation of structures like culverts, retaining walls etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specifications, including cost of labour, HOM etc. complete in all kinds of soil by manual means	Cum	20.27	194.75	Rupees One Hundred Ninety Four And Paise Seventy Five Only
75	KSRDB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials,labour, HOM complete as per specifications MORTH Specification No. 408	Cum	0.54	4656.49	Rupees Four Thousand Six Hundred Fifty Six And Paise Forty Nine Only
76	concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications KBS No.5.4 with solid concrete blocks of size 400x200x200mm	Cum	54	1005.34	Rupees One Thousand Five And Paise Thirty Four Only
77	Providing rulled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour,HOM curing complete as per specifications in cement mortar 1:4	Sqm	108	151.47	Rupees One Hundred Fifty One And Paise Forty Seven Only
78	Providing and fixing unplasticised PVC Pipes of 315mm outer dia with working pressure 10kg/sq cm with perporations wrapped with Geotextiles filter fabrics ,pipe fittings,clips,marking good the floor, including cost of all materials,labour charges,HOM and testing complete as per specifications	Sqm	3	5180.7	Rupees Five Thousand One Hundred Eighty And Paise Seventy Only

ntractor

Executive Engineer
RI- Dasarahalli Division

Scanned with CamScanner

	20mm size laid over a layer of 40mm stone aggregate and specific gravity not less than 2.65, , satisfying the requirements laid down in clause 2504.2.2. of MORTH and approved design complete as per specifications MORTH Specification No 704	Cum	20.34	2307.83	Rupees Two Thousand Three Hundred Seven And Paise Eighty Three Only
80	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500,1700.	Sqm	9	1169.61	Rupees One Thousand One Hundred Sixty Nine And Paise Sixty One Only
81	KSRRB M300-9. Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year complete as per specifications.	Each	460	1136.04	Rupees One Thousand One Hundred Thirty Six And Paise Four Only
82	Tree Transplantation Trimming of branches with systematic method, prepration of the ball of earth with respect the age and girth at the breast height of the tree by machinery and skilled labours, digging the pits by J.C.B at Transplantating site proportionately with respect to size of ball, transporation of prepared tree by one or two CRANES as the case may be with the help of technically sound skilled labours load them techinically in truck transport to the destination, watering mixed with chemically prepared root reviver at one liter with 2000 liters of water till its revival, clearing the cut branches and disposal as directed by the engineer incharge. planting of tall tree saplings having wide environmental and aesthetic values having health of 8feet to 10feet at the ratio of 1:2 in the same locality and maintenance as per tree preservation Act 1976. Periodical watering and any other cultural operation required if any over a period of 8 months or till the on set of Mansoon.	Each	36	23751.36	Rupees Twenty Three Thousand Seven Hundred Fifty One And Paise Thirty Six Only

ntractor

Executive Engineer
RI- Dasarahalli Division

Scanned with CamScanner